# **Titre d’article**: *Evaluation of Fasciola hepatica Infections in Cattle in Northeastern Algeria and the Efects on Both Enzyme and Hepatic Damage, Confrmed by Scanning Electron Microscopy*

**Abstract :**

Purpose The aim of our study is to establish the presence of Fasciola hepatica on farms in northeastern Algeria. Methods 143 blood and coprological samples of 15 males and 128 females of diferent breeds and ages were analysed. Results Our study indicates a heterogeneous level of the anti-f2 antibodies to Fasciola hepatica in response to the infection. The overall seroprevalence was about 22.37%, and 9 out of 13 investigated farms were infected, with rates varying from 5.88% to 70%. To explain the intrinsic variability of the infection, we identifed age, sex and breed as potential risk factors. Based on this, we collected information about their relevance. There was a signifcant diference for age (p = 0.018) and coprology (p